

January 1999

Inside ►

I N F O R M A T I O N

Information Management and Computing at the University of Virginia Health Sciences Center

Volume 5, Number 2

Where in the World is the Library?

We have all heard the phrases the “library without walls” and the “virtual library” but what do they mean? In practical terms, it means that students, faculty, and staff can tap into a comprehensive collection of clinical and research information available anytime and anywhere. The Health Sciences Library provides access to over **600 full-text journals**. Of the 600+ titles, approximately half are clinical or life sciences related (**see *Clinical/Life Science Journal List* on page 4**). Access to these collections is made possible through direct subscription, consortia arrangements, and free trials through the end of 1999.

After several years of experimentation and planning, a number of major academic publishers are poised to begin providing widespread access to electronic versions of their print journals, thus making it possible to access this material with a web browser from any location, at any time.

Print vs. Electronic Materials

Unlike print materials, which are purchased and part of the Library’s permanent collection, most electronic resources must be



leased and licensed for use. Commercial publishers have long held the belief that the ready availability of copyrighted materials in libraries has deprived copyright holders of income. Thus, the license agreements for digital resources frequently contain terms which limit or do away with the “**fair use**” rights for education and research provided by the Copyright Act. Furthermore, use of these resources is generally limited to the

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Inside INFORMATION

University of Virginia
Health Sciences Center

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faculty, staff, students, and defined affiliates of the institution entering into the license agreement, thus impeding access by many scholars and citizens accustomed to relying on UVa library print resources.

Most publishers require the University to sign, or agree to, a separate license agreement before the Library can establish access. Often, these licensing agreements may contain language and clauses that are not acceptable to the University's Purchasing Department. Before the Library can activate any electronic journal, the license agreement must be reviewed by Purchasing, and any unacceptable language or clauses renegotiated with the publisher. This process may take anywhere from 6 weeks to 3 months to complete, depending on what needs to be negotiated. Once the Library receives a signed license agreement from Purchasing, we can activate the electronic subscription. Through proactive negotiation, the Library and UVa purchasing officials are attempting to obtain the best and most generous use terms possible.

Access to electronic journals is restricted to only University of Virginia faculty, staff and students. It is the Library's policy that access to electronic journals be granted through IP address verification. This means that any computer on a UVa network will be granted access to the electronic journal. When publishers require that account numbers and passwords be assigned, the Library will not activate access, due to the extensive administrative problems associated with distributing and maintaining accounts and passwords.

Some publishers are still afraid that online activities might compromise their traditional print businesses, since some libraries may be tempted to cancel print subscriptions and rely on online versions. However, many reported cross-promotional

effects. Their electronic services tend to gain new customers they could not reach with a printed edition.

What About Online Access To Other Major Journals?

Several faculty have inquired about online access to various journals, in particular those published by professional societies. The situation of obtaining institutional online access to journals is currently in a great deal of flux. In some cases, there is no additional fee, as long as the print subscription is maintained; in others, online access requires adding 10 - 25% to the cost of the journal; and in other cases, the publishers may want double (or more) for online access. In all cases, individual-licensing agreements must be hammered out between the Health Sciences Library and the publisher. Using the guidelines set forth by the University's Purchasing Office, the Health Sciences Library does not automatically accept what is in the licensing agreements at the publishers' web sites, but frequently negotiates with publishers to get the best arrangement for UVa affiliates.

The Health Sciences Library is committed to providing web access to as many full text journals as possible, because it increases access for all UVa affiliates. In fact, our online catalog has the capability to provide links to online, full-text journals! We are working and will continue to work on obtaining journals electronically. We encourage input on this matter from all UVa affiliates.

For more information on accessing UVa's online journals, contact the Health Sciences Library Reference Desk at 924-5591 or e-mail hslref@virginia.edu. For questions regarding journal licenses, contact Jonathan Lord at 924-0059 or e-mail jml4s@virginia.edu. ■



Some Culture with Your Cadaver? Or no Viscera on the Vesalius

On Tuesday, November 24, 1998 the first-year medical students in Barry Hinton's Gross and Developmental Anatomy course, head and neck unit, learned something about comparative anatomy. This particular lesson, however, was solely concerned with human anatomy. The exercise involved time travel as well as cadavers. The anatomy students were able to compare their late twentieth-century cadavers with sixteenth and eighteenth century anatomists' views of the human body's muscles and skeleton.

Joan Echtenkamp Klein, Assistant Director for Historical Collections and Services in the Health Sciences Library and Assistant Professor for Medical Education, attended the Gross and Developmental Anatomy lab and brought some unique study guides with her: *De Humani Corporis Fabrica* by Andreas Vesalius published in 1555; *Tabulae Anatomicae* by Bartolomeo Eustachi published in 1722; and *Tables of the Skeleton and Muscles of the Human Body* by Bernard Siegfried Albinus, translated from the Latin and published in 1749. The students in the lab were able to look at and touch these rare books and see how anatomists and artists living hundreds of years ago viewed the human body. Fundamentally, across time, not that much has changed. The head and neck drawings in Vesalius' monumental work look very similar to what the students had just seen with their own eyes.

One of the differences wrought by time, the students noticed, was handwriting styles. The Eustachi volume is composed of plates, text, and blank pages. The blank pages were for medical students to copy their notes from their classes in, for example, head and neck dissection. As the students carefully rewrote their notes nearly three hundred years ago,

they would review the lesson, and enhance their learning experience. While it is impossible to know for certain that this theory worked and that the students using this method received higher grades, the students' handwriting is worthy of an A+!

The anatomical plates in the books by Vesalius, Eustachi, and Albinus beautifully capture the marriage of anatomists and artists in the Renaissance and the later Age of Enlightenment. The human figure is rendered not only with accuracy of detail, but further imbued with artistic genius. Vesalius, the founder of modern anatomy, worked with the school of Titian, the eminent Renaissance artist, to create the elegant woodblock prints in *De Humani Corporis Fabrica*. These anatomical masterpieces from the Library's Historical Collections exemplify the Jeffersonian ideal of the union of science and art.

This was the second year that treasures from Historical Collections have made the road trip from the library to the cadaver lab. Judging from the enthusiastic response both years, the trek through Jordan will be made in future years as well. The students and instructors in Gross and Developmental Anatomy have a rare opportunity to see the works so pivotal to the history of the discipline and to, literally, touch the past. The Historical Collections and Services librarian has the extraordinary gift of interacting with students at the beginning of their medical education and showing them the giants upon whose shoulders they stand, and just how shoulders looked to those seminal anatomists in the 1500s and 1700s.

For more information contact Joan Echtenkamp Klein, Assistant Director for Historical Collections and Services in the Health Sciences Library at 924-0052 or e-mail jre@virginia.edu. ■



Clinical/Life Science Journals

- Abdominal Imaging
Acta Diabetologica
Acta Neuropathologica
Aesthetic Plastic Surgery
American Family Physician
American Imago
American Journal of Medicine
American Journal of Obstetrics & Gynecology
American Journal of Physiology: Cell Physiology
American Journal of Physiology: Advances in Physiology Education
American Journal of Physiology: Endocrinology and Metabolism
American Journal of Physiology: Gastrointestinal and Liver Physiology
American Journal of Physiology: Heart and Circulatory Physiology
American Journal of Physiology: Lung Cellular and Molecular Physiology
American Journal of Physiology: Regulatory, Integrative and Comparative Physiology
American Journal of Physiology: Renal Physiology
Anaesthesist, Der
Analytical Biochemistry
Anatomy & Embryology
Annals of Hematology
Annals of Internal Medicine
Annals of Vascular Surgery
Annual Review of Biochemistry
Annual Review of Biophysics and Biomolecular Structure
Annual Review of Cell and Developmental Biology
Annual Review of Genetics
Annual Review of Immunology
Annual Review of Medicine
Annual Review of Genetics
Annual Review of Neuroscience
Annual Review of Nutrition
Annual Review of Pharmacology and Toxicology
Annual Review of Physiology
Annual Review of Public Health
Antimicrobial agents and Chemotherapy
Appetite
Applied Microbiology & Biotechnology
Archives of Biochemistry & Biophysics
Archives of Dermatological Research
Archives of General Psychiatry
Archives of Gynecology and Obstetrics
Archives of Microbiology
Archives of Orthopaedic & Trauma Surgery
Archives of Toxicology
Archives of Virology
Arthroskopie
Arteriosclerosis, Thrombosis, and Vascular Biology
Biochemical & Biophysical Research Communications
Biochemical & Molecular Medicine
Biologicals
Biology of Reproduction
Biophysical Journal
Blood Cells Molecules & Diseases
BMJ: British Medical Journal
Brain
Brain Behavior & Immunity
Brain & Cognition
Brain & Language
British Journal of Rheumatology
Bulletin of the History of Medicine
CA - A Cancer Journal for Clinicians
Calcified Tissue International
Canadian Medical Association Journal
Cancer Chemotherapy & Pharmacology
Cancer Immunology, Immunotherapy
Carcinogenesis
CardioVascular & Interventional Radiology
Cell Biology International
Cell & Tissue Research
Cellular Immunology
Cellular & Molecular Life Sciences
Cerebral Cortex
Child's Nervous System
Chirurg, Der
Chromosoma
Circulation
Circulation Research
Clinical Chemistry
Clinical Immunology & Immunopathology
Clinical Oral Investigations
Computers & Biomedical Research
Critical Reviews in Neurosurgery
Cryobiology
Current Eye Research
Current Genetics
Current Microbiology
Cytokine
Development Genes & Evolution
Developmental Biology
Diabetologia
Differentiation
Drug Metabolism and Disposition
Dysphagia
EMBO
Emerging Infectious Diseases
Ethik in der Medizin
European Archives of Oto-Rhino-Laryngology
European Archives of Psychiatry & Clinical Neuroscience
European Biophysics Journal
European Journal of Applied Physiology & Occupational Physiology
European Journal of Biochemistry
European Journal of Clinical Pharmacology
European Journal of Nuclear Medicine
European Journal of Orthopaedic Surgery & Traumatology
European Journal of Pediatrics
European Journal of Plastic Surgery
European Radiology
European Spine Journal
Experimental Biology Online
Experimental Brain Research
Experimental Cell Research
Experimental Eye Research
Experimental & Molecular Pathology
Experimental Neurology
Experimental Parasitology
Extremophiles
FASEB Journal
FDA Consumer
Federal Register - by issue
Federal Register - search
Frontiers in Neuroendocrinology
Gefäßchirurgie
General & Comparative Endocrinology
Genes & Development
Genomics
Graefe's Archive of Clinical and Experimental Ophthalmology
Gut
Gynäkologe, Der
Gynecologic Oncology
Hautarzt, Der
Health Education Research
Heart & Vessels
Hematology & Cell Therapy
Hepatology
Hernia-The Journal of Hernias & Abdominal Wall Surgery
Histochemistry & Cell Biology
HNO
Hormones & Behavior
Human Genetics
Human Molecular Genetics
Human Reproduction
Hypertension
Immunogenetics
Infection and Immunity
Inflammation Research
Intensive Care Medicine
International Archives of Occupational & Environmental Health
International Immunology
International Journal of Angiology
International Journal of Clinical & Laboratory Research
International Journal of Colorectal Disease
International Journal of Legal Medicine
International Orthopaedics
Internist, Der
JAMA: The Journal of the American Medical Association
JBC: Journal of Biological Chemistry
Journal of Antimicrobial Chemotherapy
Journal of Autoimmunity
Journal of Bacteriology
Journal of Bone & Joint Surgery (American Volume)
Journal of Bone & Mineral Metabolism
Journal of Cancer Research & Clinical Oncology
Journal of Cell Biology
Journal of Clinical Investigation
Journal of Clinical Microbiology
Journal of Comparative Physiology-A
Journal of Comparative Physiology-B
Journal of Contemporary Neurology
Journal of Evolutionary Biology
Journal of Lipid Research
Journal of Magnetic Resonance
Journal of Magnetic Resonance/Series A
Journal of Magnetic Resonance/Series B
Journal of Maternal-Fetal Investigation
Journal of Molecular Biology
Journal of Molecular & Cellular Cardiology
Journal of Molecular Medicine
Journal of the National Cancer Institute
Journal of Neurology
Journal of Neurophysiology
Journal of Neuroscience
Journal of Nutrition
Journal of Pharmacology and Experimental Therapeutics
Journal of Physiology
Journal of Structural Biology
Journal of Surgical Research
Journal of Theoretical Biology
Journal of Virology
Knee Surgery, Sports Traumatology, Arthroscopy
Lancet
Langenbecks Archiv für Chirurgie
Literature and Medicine
Lung
Mammalian Genome
Manuelle Medizin
Medical Microbiology & Immunology
MedR Medizinrecht
Methods: A Companion to Methods in Enzymology
Microbial Pathogenesis
Microbiology and Molecular Biology Reviews
Microchemical Journal
Microvascular Research
MMWR - Morbidity and Mortality Weekly Report
MMWR - CDC Surveillance Summaries
MMWR - Recommendations & Reports
MMWR - Summary of Notifiable Diseases, United States
Molecular and Cellular Biology
Molecular & Cellular Neuroscience
Molecular & Cellular Probes
Molecular & General Genetics (MGG)
Molecular Medicine
Molecular Pharmacology
Monatsschrift Kinderheilkunde
Mund-, Kiefer- und Gesichtschirurgie
Naturwissenschaften
Naunyn-Schmiedeberg's Archives of Pharmacology
Nucleic Acids Research
Nephrology Dialysis Transplantation
Nervenzarzt, Der
Neurobiology of Disease
Neurobiology of Learning & Memory
Neurodegeneration



Neurogenetics
 NeuroImage
 Neuroradiology
 New England Journal of Medicine
 Nitric Oxide: Biology & Chemistry
 Notfall & Rettungsmedizin
 Nucleic Acids Research
 Onkologe, Der
 Ophthalmologe, Der
 Orthopäde, Der
 Parasitology Research
 Pathologe, Der
 Pediatric Cardiology
 Pediatric & Developmental Pathology
 Pediatric Nephrology
 Pediatric Radiology
 Pediatric Surgery International
 Pediatrics
 Perinatal Medizin
 Pflügers Archiv European Journal of Physiology
 Pharmacological Research
 Pharmacological Reviews
 Physics in Medicine & Biology
 Plasmid
 Preventive Medicine
 Proceedings of the National Academy of Sciences
 Protein Engineering
 Psychopharmacology
 Pulmonary Pharmacology
 Radiologe, Der
 Rechtsmedizin
 Regulatory Toxicology & Pharmacology
 Rheumatology International
 Schmerz, Der
 Science
 Seminars in Cancer Biology
 Seminars in Cell & Developmental Biology
 Seminars in Immunology
 Seminars in the Neurosciences
 Seminars in Virology
 Sexual Plant Reproduction
 Skeletal Radiology
 Social Psychiatry & Psychiatric Epidemiology
 Social Science Research
 Stroke
 Supportive Care in Cancer
 Surgical Endoscopy
 Surgical & Radiologic Anatomy
 Toxicology & Applied Pharmacology
 Transplant International
 Ultrasonic Imaging
 Unfallchirurg, Der
 Urologe-A, Der
 Urologe-B, Der
 Urological Research
 Virchows Archiv
 Virology
 World Journal of Surgery
 World Journal of Urology
 Zeitschrift für Kardiologie

Journals can be accessed at
<http://www.med.virginia.edu/hs-library/general/onlinejournals/home.html>. ■

Building Blocks for the Library's Future

For regular updates, please check our web site: <http://www.med.virginia.edu/hs-library/admin/building.html>

In preparation for the upcoming library construction and renovation, the packing of books and journals in Historical Collections and Services will begin in January. The books, in call number order, will be packed first, followed by the journals housed in Historical Collections and Services. Once packed, historical materials will not be available until the move into the new space on the ground floor of the library is completed. ■

January/February

Select construction contractor

Begin packing books in Historical Collections

March

Start Phase 1 construction in new space on Ground Floor (minimal service disruption)

Spotlight on Ovid Web Gateway

Evidence-Based Medicine Reviews (EBMR): The *EBMR* database is available via the Web Gateway. *EBMR* is divided into two segments: *ACP Best Evidence* and *Cochrane Database of Systematic Reviews*.

"Browse Contents" button: In *Current Contents* and *Core Biomedical Collection* databases, the "Browse Contents" button allows you to browse through issues of a journal title of your choice.

"Range" in Citation Manager: You can specify ranges of citations to display, save or order in Citation Manager.

Document Ordering: Do you know that you could order articles while searching MEDLINE without having to leave your office? Mark the citations that you'd like to order and then click on the "order" button in citation manager. You will be notified by phone when the requested article is available or the articles may be delivered to your office upon request. Additional charges may apply.

These features are only available in the Ovid Web Gateway at this time. If you need further



information about the document ordering service, call the Document Delivery Department at 924-0058, or e-mail hsldoc@virginia.edu.

Clinical & Research Information - Just a Mouse Click Away!

Imagine having a comprehensive collection of clinical and research information right at your fingertips available anytime, anywhere. The Library's online textbooks collection is growing rapidly and now offers over 33 different titles through 3 different Web-based products: *Scientific American Medicine Online (SAM)*, *Harrison's Online*, and *Stat!Ref*. These products allow comprehensive searching across titles and searching that can be narrowly focused to individual chapters or pages. Illustrations, graphics, and charts are also supported and searchable. The following titles are available:

Scientific American Medicine Online (SAM) provides current, comprehensive, and complete medical information, covering all 15 subspecialties of internal medicine.

To launch *Scientific American Medicine Online* point your web browser to <http://www.samonline.com/> and click the "Sign In" button, which will automatically recognize a UVa IP address.

Harrison's Online features the 3-volume set of *Harrison's Principles of Internal Medicine*. *Harrison's Online* offers the same high quality information available in its book counterpart with the following value-added features: full search capabilities; updated regularly; the latest clinical trials information; new references; links to related Web sites; illustrations, graphs, and charts; self-assessment questions.

To launch *Harrison's Online* point your web browser to <http://www.harrisonsonline.com/> and click on the "Subscriber Login" button.

Stat!Ref combines leading medical reference books and journals with powerful indexing tools, and search retrieval software to deliver instant, cross-searchable electronic access to the information needed for decision support. Flexible title selection makes *Stat!Ref* ideal for healthcare providers,

instructors, students, and researchers. The following textbooks are available:

- AHFS Drug Information (includes supplemental updates)
- USP DI Vol. I Drug Information for the Health Care Professional (includes supplemental updates)
- USP DI Vol. II Advice for the Patient (includes supplemental updates)
- Mosby's GenRx - The Complete Generic & Brand Drug Reference (formerly Physician's Gen-Rx) (includes supplemental updates)
- Taylor Family Medicine Principles and Practice
- The Medical Letter (1988 - present)
- Handbook of Adverse Drug Interactions
- Stein Internal Medicine
- Griffith's 5 Minute Consult
- Geriatric Medicine
- Williams Obstetrics (includes supplemental updates)
- Current Diagnosis and Treatment in Cardiology
- Current Critical Care Diagnosis & Treatment
- Current Diagnosis & Treatment in Orthopedics
- Current Medical Diagnosis & Treatment
- Current Surgical Diagnosis & Treatment
- Current Emergency Diagnosis & Treatment
- Current Pediatric Diagnosis & Treatment
- Current Ob & Gyn Diagnosis & Treatment
- Smith's General Urology
- Current Diagnosis & Treatment in Gastroenterology
- Medical Immunology (formerly Basic & Clinical Immunology)
- Basic & Clinical Pharmacology
- Review of Medical Physiology
- Review of General Psychiatry
- Rudolph's Pediatrics
- Treatments of Psychiatric Disorders
- Diagnostic and Statistical Manual of Mental Disorders (DSM IV)
- The Merck Manual of Diagnosis & Therapy
- Ellenhorn Medical Toxicology
- Dictionary of Medical Acronyms and Abbreviations

The URL for *StatRef!* is temporary. To access *StatRef!* point your web browser to the "Online Books - Full Text" page at <http://www.med.virginia.edu/hs-library/general/onetexts/ebook.html> and click the *StatRef!* link.

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Tools of the Trade



Curl Up With a Good Electronic Reading Device

During the last 1,500 years, the written word has undergone fairly gradual changes, evolving with the times. With the introduction of electronics, however, change has accelerated at unprecedented rates. Today, we face the advent of a new form of the written word: the electronic book (or e-book). An e-book is an “electronic” book that is distributed via the Internet or other electronic means. The latest innovation in e-books allows users to view books on an e-book reader; a portable device for reading text and viewing images in electronic form. Four companies have developed e-book readers and more are forthcoming. These readers have some widely dissimilar features; all consist of at least one backlit screen, a rechargeable battery, and some type of storage device, but here the similarities end. Since this technology is so new, there are no current standards for file format, storage media, display size, power, or book distribution.

The Books

The **SoftBook** uses flash memory to hold 100,000 pages of text and pictures. It features a single 9.5” black-and-white touch screen and a built-in 33.6 Kbps modem which it uses to connect to the SoftBookstore. The rechargeable battery of the SoftBook will last 5 hours on a one-hour charge.

The **RocketBook** can hold 4,000 pages of text and graphics in its memory. Its single black-and-white screen is also touch sensitive, allowing the user to highlight, annotate, link, bookmark, and reference text. Books are obtained via a PC from various Web bookstores. The RocketBook’s rechargeable battery can last up to 20 hours using the backlit screen.

The **Everybook Dedicated Reader** is

able to hold up to 100 college textbooks or 1,000 novels on its removable disk cartridge. The display consists of two color high-resolution, touch-sensitive LCD screens. Users have full annotation capabilities, as well as bookmarking, a built-in dictionary, and Adobe Acrobat PDF support. Books are downloaded from the Everybook Store using the modem inside the Everybook. The battery of the Everybook lasts 4 to 5 hours on a full charge.

The **Millenium Reader** can hold approximately ten books at a time. It features a single black-and-white screen controlled by four buttons located beneath the screen. Books are downloaded through the Internet from the Librius World Library onto a PC, then transferred to the Millenium Reader through a serial port. The Reader will last for up to 18 hours on a single charge.

An Electronic Revolution in Sight?

E-books offer some familiar comforts along with a few new tricks. You can still dog-ear pages by pressing a corner of the touch-sensitive screens, write notes with a stylus, and underline. You can also search, change fonts, and touch a word to look it up in the dictionary. E-books are not cheap, at least not yet. Prices range from \$299 to an extravagant \$1,600—and that’s just for the devices themselves. The actual content is extra, though prices will probably be lower than what you’d pay in a bookstore. After you charge your purchase, you download it immediately, either through your computer or directly to your E-book.

At this stage, the only immediate appeal is expected to be with those who like the latest gadgets, not mainstream consumers.

Based on information from “*The Future of the Written Word*” by Brett Swope. ■



Double Click

People, events, and news in informatics



Claude Moore Health Sciences Library

Circulation.....924-5444
Reference Desk.....924-5591
Learning Resources
Center.....924-5521
Administration.....924-5464

Library Hours:

Mon-Thurs.....7:30am -12am
Friday.....7:30am - 7pm
Saturday.....9am - 7pm
Sunday.....9am -12am

Extended Hours:

March
Friday 5th & Saturday 6th

Medical Center Computing

Help Desk.....924-5334

ITC-Academic Computing Health Sciences

Information.....982-4025

Information Technology & Communication

Help Desk.....924-3731

The Claude Moore Health Sciences Library

held its annual Library Awards Ceremony on December 10, 1998 to recognize special achievement in the workplace and the community. The following awards were presented:

Employee of the Year: **Susan Daddezio**,
Serials Assistant

Above and Beyond the Call of Duty Award:

**Terry Ashworth, Bonnie Martin, Linda
Watson, Dan Wilson, and Birgit Witcher**

Outstanding Achievement Award: **Deverett
Cumplings**, Microcomputer Support
Technician

Community Service Award: **Tim Breeden**,
Circulation Specialist

Friend of the Library Award: **Karen Wyland**,
Preservation Supervisor, Alderman Library

information, and for paper and abstract examples.

The **National Library of Medicine** is accepting competitive applications for two offerings of its week-long Medical Informatics survey course at Woods Hole Marine Biological Laboratory in Massachusetts. The sessions are May 30-June 5, 1999 and October 3-9, 1999. The costs of attending the course including travel, housing, and meals are provided by NLM. For application forms and further information contact Carol Hamel, Admissions Coordinator at 508-289-7401 or check the web site: <http://www.mbl.edu>. The application deadline for both sessions is March 15, 1999.

The **American Medical Informatics Association (AMIA)** has issued its "Call for Participation" with a deadline of March 9, 1999. All submissions must

AMIA '99
ANNUAL SYMPOSIUM

be electronic. The AMIA 1999 Annual Symposium will be held November 6-10, 1999 in Washington, DC. This year's theme is "Transforming Health Care through Informatics." Check out the AMIA web site at <http://www.amia.org> for additional

The **Health
Information
Infrastructure
Conference (HII99)**

titled "Improving Health in a Digital World" will be held on April 26-30, 1999 in Washington, D.C.. The conference foci will be Telehealth and Telemedicine, Privacy and Portability, Consumer Health Information, and Equity and Access. For more information check out their web site: <http://www.fnlm.org/conference/99conference.html>. ■

HII99
Improving
Health in a
Digital
World



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